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SEQUENCE LISTING

<110> Halazonetis, Thanos
Hartwig, Wolfgang

<120> Peptides and peptidomimetics with
structural similarity to human p53 that activate p53
function

<130> 2973.19998

<140> 08/894,327

<141> 1997-12-04

<150> pctus96/01535

<151> 1996-02-16

<150> 08/392,542

<151> 1995-02-16

<160> 35

<170> FastSEQ for Windows Version 3.0

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<211> 1317

<212> DNA

<213> Homo sapiens

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1317

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		35					40					45			
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	50					55					60				
Arg	Met	Pro	Glu	Ala	Ala	Pro	Pro	Val	Ala	Pro	Ala	Pro	Ala	Ala	Pro
65					70					75					80
Thr	Pro	Ala	Ala	Pro	Ala	Pro	Ala	Pro	Ser	Trp	Pro	Leu	Ser	Ser	Ser
				85					90					95	
Val	Pro	Ser	Gln	Lys	Thr	Tyr	Gln	Gly	Ser	Tyr	Gly	Phe	Arg	Leu	Gly
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Phe	Leu	His	Ser	Gly	Thr	Ala	Lys	Ser	Val	Thr	Cys	Thr	Tyr	Ser	Pro
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Ala	Ile	Tyr	Lys	Gln	Ser	Gln	His	Met	Thr	Glu	Val	Val	Arg	Arg	Cys
			165						170					175	
Pro	His	His	Glu	Arg	Cys	Ser	Asp	Ser	Asp	Gly	Leu	Ala	Pro	Pro	Gln
			180					185					190		
His	Leu	Ile	Arg	Val	Glu	Gly	Asn	Leu	Arg	Val	Glu	Tyr	Leu	Asp	Asp
		195					200					205			
Arg	Asn	Thr	Phe	Arg	His	Ser	Val	Val	Val	Pro	Tyr	Glu	Pro	Pro	Glu
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Val	Gly	Ser	Asp	Cys	Thr	Thr	Ile	His	Tyr	Asn	Tyr	Met	Cys	Asn	Ser
225					230					235					240
Ser	Cys	Met	Gly	Gly	Met	Asn	Arg	Arg	Pro	Ile	Leu	Thr	Ile	Ile	Thr
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Leu	Glu	Asp	Ser	Ser	Gly	Asn	Leu	Leu	Gly	Arg	Asn	Ser	Phe	Glu	Val
			260					265					270		
Arg	Val	Cys	Ala	Cys	Pro	Gly	Arg	Asp	Arg	Arg	Thr	Glu	Glu	Glu	Asn
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Arg	Phe	Glu	Met	Phe	Arg	Glu	Leu	Asn	Glu						

33

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 35 40 45
 Asp Val Glu Glu Phe Phe Glu Gly Pro Ser Glu Ala Leu Arg Val Ser
 50 55 60
 Gly Ala Pro Ala Ala Gln Asp Pro Val Thr Glu Thr Pro Gly Pro Val
 65 70 75 80
 Ala Pro Ala Pro Ala Thr Pro Trp Pro Leu Ser Ser Phe Val Pro Ser
 85 90 95
 Gln Lys Thr Tyr Gln Gly Asn Tyr Gly Phe His Leu Gly Phe Leu Gln
 100 105 110
 Ser Gly Thr Ala Lys Ser Val Met Cys Thr Tyr Ser Pro Pro Leu Asn
 115 120 125
 Lys Leu Phe Cys Gln Leu Val Lys Thr Cys Pro Val Gln Leu Trp Val
 130 135 140
 Ser Ala Thr Pro Pro Ala Gly Ser Arg Val Arg Ala Met Ala Ile Tyr
 145 150 155 160
 Lys Lys Ser Gln His Met Thr Glu Val Val Arg Arg Cys Pro His His
 165 170 175
 Glu Arg Cys Ser Asp Gly Asp Gly Leu Ala Pro Pro Gln His Leu Ile
 180 185 190
 Arg Val Glu Gly Asn Leu Tyr Pro Glu Tyr Leu Glu Asp Arg Gln Thr
 195 200 205
 Phe Arg His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Ala Gly Ser
 210 215 220
 Glu Tyr Thr Thr Ile His Tyr Lys Tyr Met Cys Asn Ser Ser Cys Met
 225 230 235 240
 Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp
 245 250 255
 Ser Ser Gly Asn Leu Leu Gly Arg Asp Ser Phe Glu Val Arg Val Cys
 260 265 270
 Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Phe Arg Lys
 275 280 285
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 Leu Pro Thr Cys Thr Ser Ala Ser Pro Pro Gln Lys Lys Lys Pro Leu

34

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305          310          315          320
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Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys Asp Ala His Ala
          340          345          350
Thr Glu Glu Ser Gly Asp Ser Arg Ala His Ser Ser Tyr Leu Lys Thr
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Val Gly Pro Asp Ser Asp
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 Arg His Lys Lys
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<400> 18

37

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1 5

<210> 19
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1 5

<210> 21
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<400> 21
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Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys
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<210> 23
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			20					25							

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<400> 24

Cys	Gly	Gly	Ser	Arg	Ala	His	Ser	Ser	His	Leu	Lys	Ser	Lys	Lys	Gly
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			20					25							

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<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic, modified from human p53

<400> 25

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39

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<211> 26

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<210> 34
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1 5

<210> 35
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